



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010528
DATE CERTIFICATION METHOD PERFORMED: February 11, 2015
DATE RECERTIFICATION DUE: August 10, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of $k=3$. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

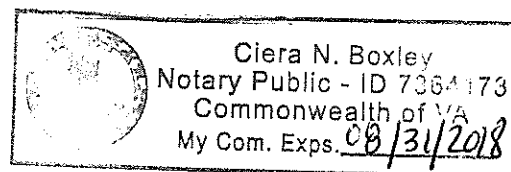
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of February, 2015 by Michelle M. Billeter

Ciera N. Boxley
Ciera N. Boxley, Notary Public *TLV*

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 2/11/2015

AMS
mmB

Instrument Serial Number: 010528

As of 11-Feb-15

Start Date	End Date	Agency Name
11-Feb-15		Portsmouth PD
03-Feb-15	11-Feb-15	DFS Central Lab
26-Aug-14	03-Feb-15	Fairfax County PD
13-Aug-14	26-Aug-14	DFS Central Lab
21-Dec-12	13-Aug-14	Virginia Peninsula Regional Jail
26-Jul-12	21-Dec-12	DFS Central Lab
12-Dec-08	26-Jul-12	Appomattox County SO
02-Jun-08	12-Dec-08	DFS Central Lab

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
2/11/2014 To 2/11/2015**

HMS
mmB

Instrument Serial Number:	010528	As of 11-Feb-15
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
11-Feb-15	11-Feb-15	HMS (18910)	REPLACED PRINTER RIBBON, CALIBRATED AND CERTIFIED.
04-Feb-15	04-Feb-15	TLN (25387)	CERTIFIED.
23-Oct-14	18-Aug-14	HMS (18910)	REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
18-Aug-14	18-Aug-14	DBH (21250)	CERTIFIED.
25-Feb-14	25-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.

HMS
mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010528 Worksheet Start Date 2/11/2015

Location Portsmouth Police Department

Address 711 Crawford St., Portsmouth, VA 23704

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 762 Reference Barometer (mm HG) 763

Reference Barometer(RB)Serial # 009113 RB Calibration Due 4/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.307
0.300	0.300	0.291	0.309	Sample 2	0.306
Precision		sample min	sample max	Sample 3	0.306
0.001		0.306	0.307		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.099
0.001		0.099	0.100		

Dry gas standard Lot No. (with tank no.)

AG419702-58

☐ Replaced dry gas standard (+O-ring)

☒ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50
2 pads

Notes:

Replaced printer ribbon.

Instrument Serial Number

010528

Certification Date

2/11/2015

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.252
0.250	0.250	0.242	0.257	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.251
0.001		0.251	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.152
0.150	0.150	0.145	0.154	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0.001		0.151	0.152		

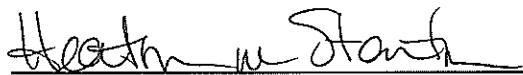
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

2/11/15

Issuing Analyst



Date

2/11/15

TLN

thg
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 1525

Test Date: 02/11/2015 Test Time: 10:42 EST

Dry Gas Target: 0.301

Lot Number: AG428003-07 Exp Date: 10/07/2016

Tank Pressure: 257 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:42
CHK	0.310	10:43
BLK	0.000	10:45
CHK	0.311	10:46
BLK	0.000	10:47
CHK	0.311	10:48

Test Status: *Success*

Calibration CRC: 2B7C5C5E

Out of tolerance for accuracy per QA sheet.

thg
2/11/15

hms
mmb

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 1526

Test Date: 02/11/2015 Test Time: 10:52 EST

Dry Gas Target: 0.301

Lot Number: AG428003-04 Exp Date: 10/07/2016

Tank Pressure: 296 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:52
CHK	0.310	10:53
BLK	0.000	10:55
CHK	0.311	10:56
BLK	0.000	10:58
CHK	0.310	10:59

Test Status: *Success*

Calibration CRC: 2B7C5C5E

Out of tolerance for accuracy per QA sheet.

hms
2/11/15

AMS
mmB

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010528 Test Number: 1527

Test Date: 02/11/2015 Test Time: 11:06 EST

Dry Gas Target: 0.100

Lot Number: 3441310013-03 Exp Date: 01/01/2016

Tank Pressure: 830 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:07
CAL	0.100	11:07

Test Status: *Success*

Calibration CRC: 41C0BCA0

AMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 1528
Test Date: 02/11/2015 Test Time: 11:10 EST

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 213 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:10
BLK	0.000	11:11
CHK	0.252	11:12
BLK	0.000	11:14
CHK	0.252	11:15
BLK	0.000	11:17
CHK	0.251	11:18
BLK	0.000	11:20

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 1529
Test Date: 02/11/2015 Test Time: 11:21 EST

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 384 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:22
BLK	0.000	11:22
CHK	0.152	11:23
BLK	0.000	11:25
CHK	0.151	11:26
BLK	0.000	11:27
CHK	0.151	11:29
BLK	0.000	11:30

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

lms
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 1530
Test Date: 02/11/2015 Test Time: 11:32 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 3441308012-01 Exp Date: 01/01/2016

Tank Pressure: 316 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:32
BLK	0.000	11:33
CHK	0.080	11:34
BLK	0.000	11:35
CHK	0.080	11:36
BLK	0.000	11:38
CHK	0.080	11:39
BLK	0.000	11:40

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

hms
mmb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 1531
Test Date: 02/11/2015 Test Time: 11:41 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 71 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:42
BLK	0.000	11:43
CHK	0.019	11:43
BLK	0.000	11:45
CHK	0.019	11:46
BLK	0.000	11:47
CHK	0.019	11:48
BLK	0.000	11:49

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

lms
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 1532

Test Date: 02/11/2015 Test Time: 11:52 EST

Dry Gas Target: 0.300

Lot Number: AG428003-04 Exp Date: 10/07/2016

Tank Pressure: 291 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:52
CHK	0.307	11:53
BLK	0.000	11:55
CHK	0.306	11:57
BLK	0.000	11:59
CHK	0.306	12:00

Test Status: *Success*

Calibration CRC: 41C0BCA0

lms
mms

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 1533

Test Date: 02/11/2015 Test Time: 12:02 EST

Dry Gas Target: 0.100

Lot Number: AG419702-58 Exp Date: 07/16/2016

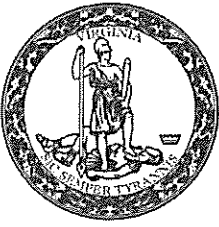
Tank Pressure: 845 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:03
CHK	0.100	12:04
BLK	0.000	12:06
CHK	0.100	12:07
BLK	0.000	12:08
CHK	0.099	12:09

Test Status: *Success*

Calibration CRC: 41C0BCA0




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
mmB

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 02/11/2015
TEST EQUIPMENT NUMBER 010528		

RESULTS: TIME SAMPLE TAKEN 12:17 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 11 Feb 2015 at 14:37

AMS
mmB

Test Results

Instrument Serial Number 010528

Test # 001534

Subject Test

Test Location 1 Department of
Test Date 11 Feb 2015

Test Location 2 Forensic Science

Test Time 12:11

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2014

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Operator's Middle Initial M

Expiration Date 10/01/2016

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 11 Feb 2015

End Time 12:19

Result Time 12:17

Result Date 11 Feb 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:11

Data Type BLK

Sample Value 0.000

Sample Time 12:12

Data Type CHK

Sample Value 0.099

Sample Time 12:13

Data Type BLK

Sample Value 0.000

Sample Time 12:14

Data Type SUBJ

Sample Value 0.000

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:16

Data Type SUBJ

Sample Value 0.000

Sample Time 12:17

Data Type BLK

Sample Value 0.000

Sample Time 12:18

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG419702-58

Standard Expiration Date 07/16/2016

Tank Pressure 840

Barometric Pressure 761 mmHg

Blow Sample Number 1

Blow Duration 3.58 sec

Blow Volume 1759 cc

End-of-Blow Time 12:15

Blow Sample Number 2

Blow Duration 3.40 sec

Blow Volume 1771 cc

End-of-Blow Time 12:17

Tamper Evident Stamp 990de043

Test Status Code 0

Test Status Success